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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Young-Jin KIM

Docket: 8021-171 (SS-18218-US)

Serial No.: 10/715,608

Group: Art Unit 2817

Filed: November 18, 2003

Dated: May 26, 2004

For: DIRECT CONVERSION RECEIVER FOR CALIBRATING PHASE AND  
GAIN MISMATCH

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. Copies of the listed items are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 26, 2004.

Dated: 5/26/04

  
Frank Chau

is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

☐ This information disclosure statement is being filed within three (3) months of the filing date of this application.

☐ This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application.

☒ To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.

☒ Statement under 37 C.F.R. § 1.97(e):

I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this statement.

☐ Enclosed herewith is a petition under 37 C.F.R. § 1.97(d)(ii).

☐ Enclosed by check is the petition fee of \$130.00. (37 C.F.R. § 1.17(i)(1))

☐ Please charge the fee of \$130.00 for petition fee by **Credit Card Payment Form PTO-2038** enclosed herewith.

☐ Enclosed by check is the \$180.00 fee required by 37 C.F.R. § 1.17(p).


☐ Please charge the fee of \$180.00 fee required by 37 C.F.R. § 1.17(p) by **Credit Card Payment Form PTO-2038** enclosed herewith.

[X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. **TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.**

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

By:

  
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

ATTY. DOCKET NO.

8021-171 (SS-18218-US)

SERIAL NO.

10/715,608

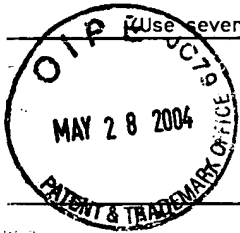
(Use several sheets if necessary)

APPLICANT: Young-Jin KIM

FILING DATE: November 18, 2003

GROUP

Art Unit 2817



## U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 2 8 9 0 4 8	9/11/01	Richards et al.	375	235	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
WO 02 07 5 9 1 7	Sept. 26, 2002	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	U.S. Publication 2002/0155822 A1
2	Double, Zero, Single, Low IF Receiver architecture, MICROS Research Center, July 3, 2001.
3	Asad A. Abidi, Direct-Conversation Radio Transceivers for Digital Communications, IEEE Journal of Solid-State Circuits, Vol. 30, No. 12, Dec. 1995.
4	Derek K. Shaeffer, The Design and Implementation of Low-Power CMOS Radio Receivers, A Dissertation Submitted to the Dept. of Electrical Engineering and the Committee on Graduate Studies of Stanford University, Chapt. 3: Fundamentals of Radio Reception, pp. 48-49, December 1998

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])